

CUSTOMER NO.: 24498

Serial No. 09/898,150

Reply to Final Office Action dated: 1/25/06

Response dated: 5/04/06

PATENT

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Amendments to the Claims

Please cancel claims 28 and 30 without prejudice.

Please add claim 40.

Please amend claims 22, 26, 31, 36 and 38 as follows:

22. (Currently Amended) A method for reducing an initialization time of an apparatus for reading from and/or writing to an optical recording medium, said optical recording medium having identification data which enables the identification of the optical recording medium individually among at least optical recording media of the same type, the method comprising:

~~reading~~ detecting the identification data of an optical recording medium inserted into said apparatus to identify said optical recording medium;

determining if adjustment values associated with ~~parameter-values~~ tracking or focus control for reading from and writing to the identified optical recording medium are accessibly stored for said apparatus;

in response to identifying stored adjustment values for said apparatus, setting tracking or focus control and regulating circuits of said apparatus in accordance with the stored adjustment values; and

in response to determining that adjustment values for said apparatus are not accessibly stored, initializing said apparatus to determine respective adjustment values for the tracking or focus control and regulating circuits of said apparatus such that said apparatus is able to optimally read from and write to the identified optical recording medium, and respectively storing said determined adjustment values for said apparatus and the corresponding identification data of said identified optical recording medium;

~~wherein the identification data of the inserted optical recording medium is read by said apparatus before fine focussing or track regulation are adjusted.~~

23. (Previously Presented) The method of claim 22, wherein the adjustment values for said apparatus are stored in a storage means of said apparatus.

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24. (Previously Presented) The method of claim 23, wherein said storage means comprises a non-volatile memory.

25. (Previously Presented) The method of claim 22, wherein the adjustment values for said apparatus are stored in an external storage means accessible by said apparatus.

26. (Currently Amended) The method of claim 22, wherein [[a]] Burst Cutting Area (BCA) data present on [[of]] the optical recording medium media comprises is used as the identification data of the optical recording media wherein the apparatus comprises an optical read unit and the step of detecting comprises:

displacing the optical read unit into a position predetermined for the BCA data;

coarsely focusing the optical read unit onto the optical recording medium;

and

reading the BCA data during the displacing and coarse focusing steps.

27. (Previously Presented) The method of claim 22, wherein the identification data of the optical recording media comprises first data identifying said optical recording medium as one of a plurality of recording types and second data specific to only the respective optical recording medium.

28. (Cancelled)

29. (Cancelled)

30. (Cancelled)

31. (Currently Amended) An apparatus for reading from and/or writing to an optical recording medium and having a reduced initialization time, said optical recording medium having identification data which enables the identification of the optical recording medium individually among at least optical recording media of the same

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type, the apparatus comprising:

a detection means for ~~reading~~ detecting the identification data of an optical recording medium inserted into said apparatus for identifying said optical recording medium;

a control means adapted to perform the steps of:

determining if adjustment values associated with ~~parameter values~~ for tracking or focus control during reading from and writing to the identified optical recording medium are accessibly stored for said apparatus;

in response to identifying stored adjustment values for said apparatus, setting tracking or focus control and regulating circuits of said apparatus in accordance with the stored adjustment values; and

in response to determining that adjustment values for said apparatus are not accessibly stored, initializing said apparatus to determine respective adjustment values for the control and regulating circuits of said apparatus such that said apparatus is able to optimally read from and write to the identified optical recording medium, and respectively storing said determined adjustment values for said apparatus and the corresponding identification data of said identified optical recording medium;

~~wherein said detection means reads the identification data of the inserted optical recording medium before fine focussing or track regulation are adjusted.~~

32. (Previously Presented) The apparatus of claim 31, wherein said detection means comprises at least one of a read and a read/write means.

33. (Currently Amended) The apparatus of claim 31, further comprising a storage means for storing at least ~~the adjustment~~ said determined adjustment values for said apparatus.

34. (Previously Presented) The apparatus of claim 33, wherein said storage means comprises a non-volatile memory.

35. (Previously Presented) The apparatus of claim 33, wherein said storage means

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comprises at least one of a non-volatile memory of the apparatus and a non-volatile data carrier provided externally to the apparatus.

36. (Currently Amended) The apparatus of claim 31, further comprising an optical read unit wherein [[a]] Burst Cutting Area (BCA) data present on [[of]] the optical recording media medium is used as the comprises the identification data of the optical recording media and the step of detecting comprises:

displacing the optical read unit into a position predetermined for the BCA data;

coarsely focusing the optical read unit onto the optical recording medium;

and

reading the BCA data during the displacing and coarse focusing steps.

37. (Previously Presented) The apparatus of claim 31, wherein the optical recording media comprise DVD-ROM discs.

38. (Currently Amended) A method for achieving read or write readiness on an optical disc medium, said method comprising the steps of:

a) detecting on said disc medium identification data specific only to said disc medium;

b) determining the presence or absence of stored adjustment parameter values associated with tracking or focus control during ~~for~~ reading from and writing to said optical disc medium associated with said identification data specific only to said disc medium;

c) when stored adjustment parameter values are present, using said stored adjustment values for reading from and writing to said optical disc medium; and

d) when stored adjustment parameter values are absent, determining optimal adjustment parameter values for tracking or focus during reading from and writing to said optical disc medium ~~and storing said determined adjustment parameter values for reading from and writing to said disc medium along with said identification data specific only to said disc medium;~~

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~~wherein the identification data of the optical disc medium is read before fine focussing or track regulation are adjusted.~~

39. (Cancelled)

40. (New) The method of claim 38, wherein Burst Cutting Area (BCA) data present on the optical disc medium is used as the identification data, and the step of detecting comprises:

displacing the optical read unit into a position predetermined for the BCA data;

coarsely focusing the optical read unit onto the optical recording medium;

and

reading the BCA data during the displacing and coarse focusing steps.